

Fig. 1 (PRIOR ART)

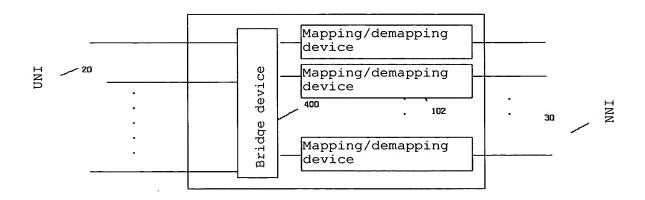


Fig. 2A (PRIOR ART)

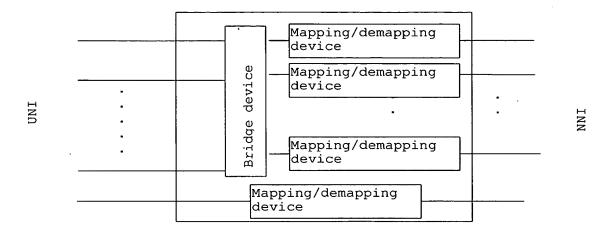


Fig. 2B (PRIOR ART)

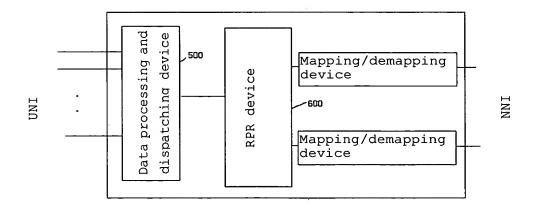


Fig. 3 (PRIOR ART)

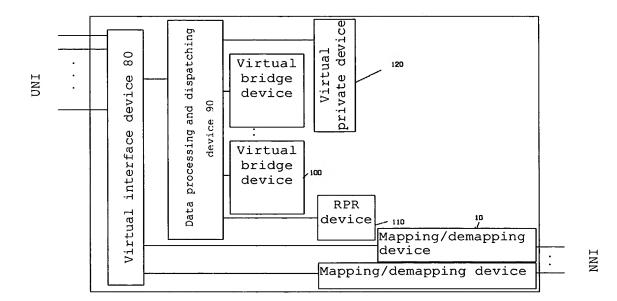
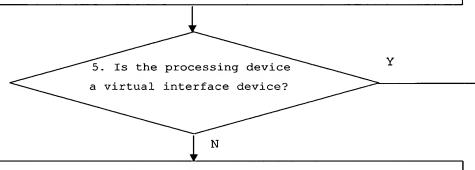


Fig. 4A

- ${\bf l}.$  The virtual interface device performs matching operation for the data frames according to classifying rules
- 2. The virtual interface device modifies the data frames according to classifying rules
- 3. The virtual interface device transfers the data frames to the data processing and dispatching device

4. The data processing and dispatching device finds corresponding processing unit according to the data type number in the data frames



- 6. The processing device processes the data frames and transfers them to the data processing and dispatching device
- 8. The virtual interface device finds corresponding device interface according to the data type number in the data frames
- 9. The virtual interface device modifies the data frames, i.e., deletes the data type number from the data frames
- 10. The virtual interface device outputs the data frames via the device interface

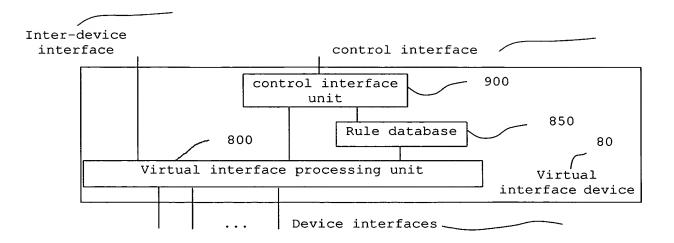


Fig. 4C

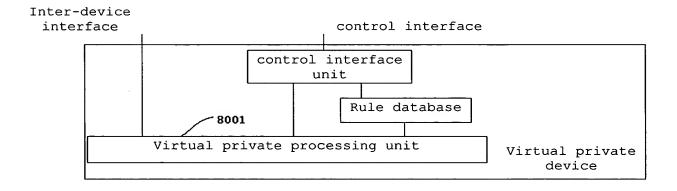


Fig. 5A

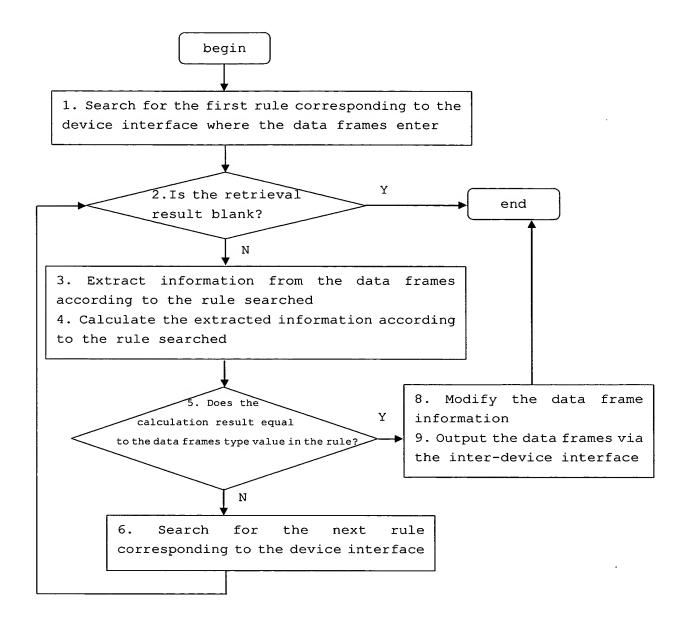


Fig. 4D

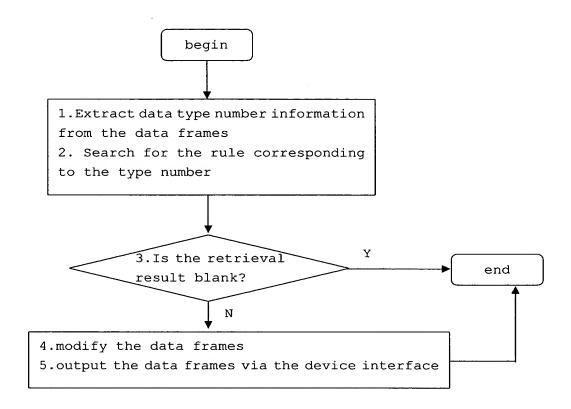


Fig. 4E

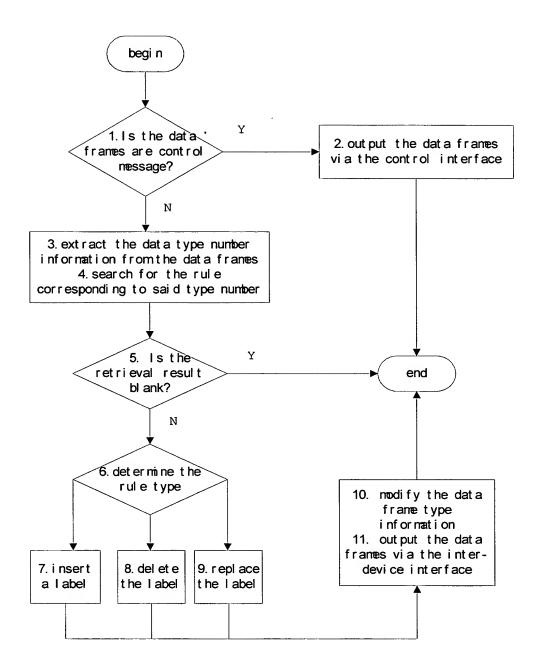


Fig. 5B

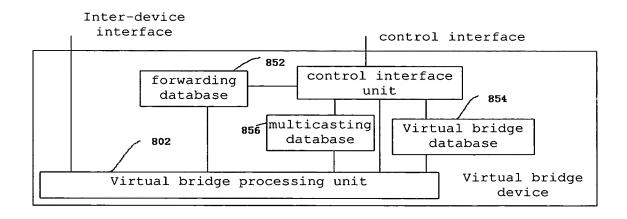


Fig. 6A

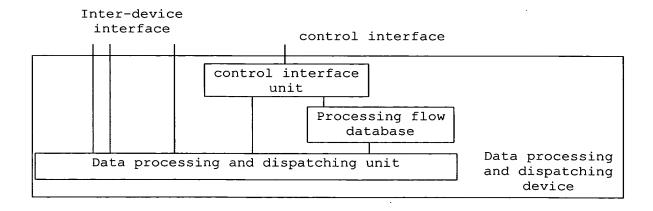


Fig. 7A

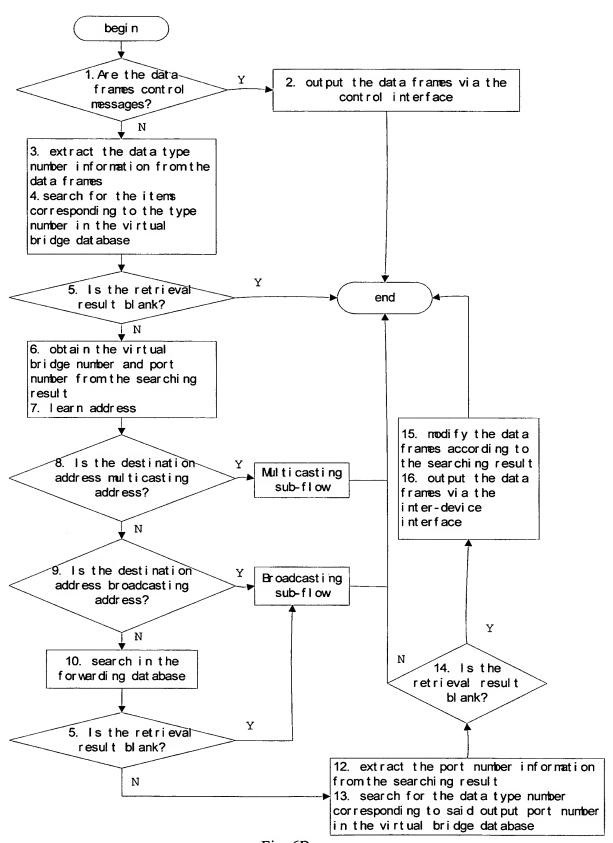


Fig. 6B

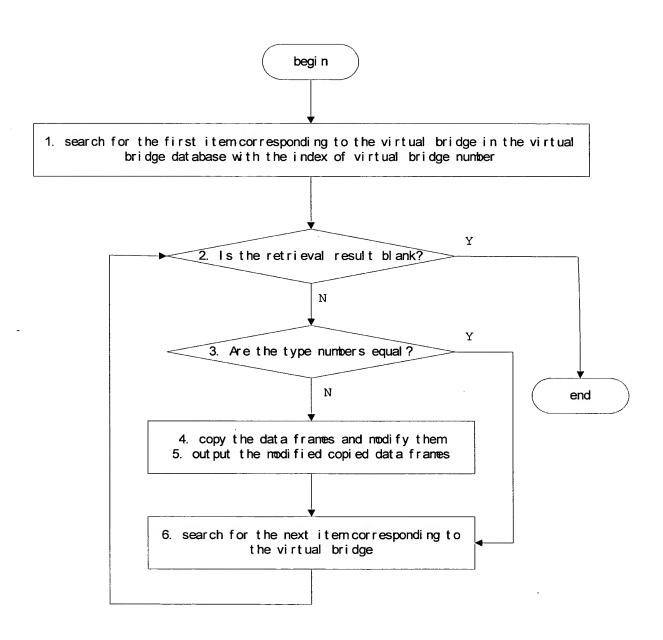
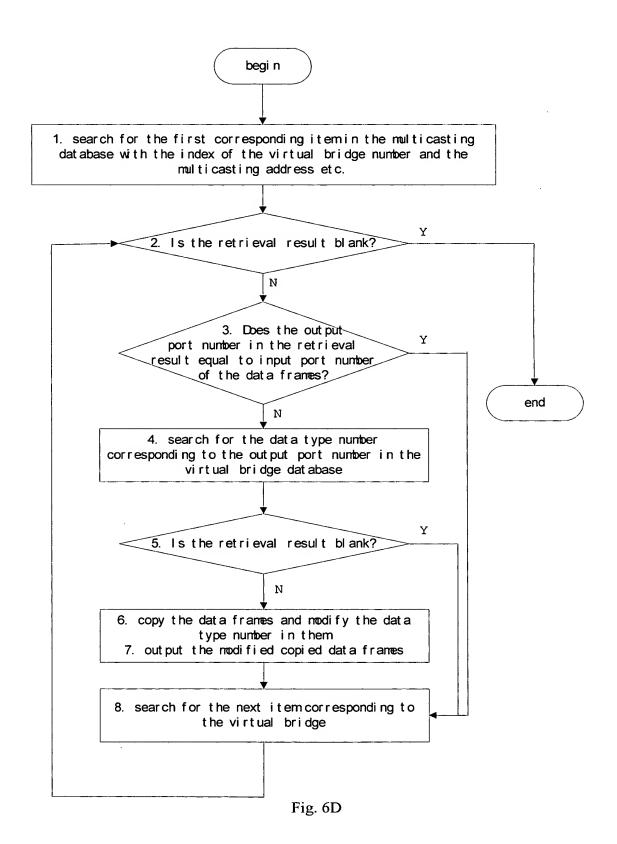


Fig. 6C



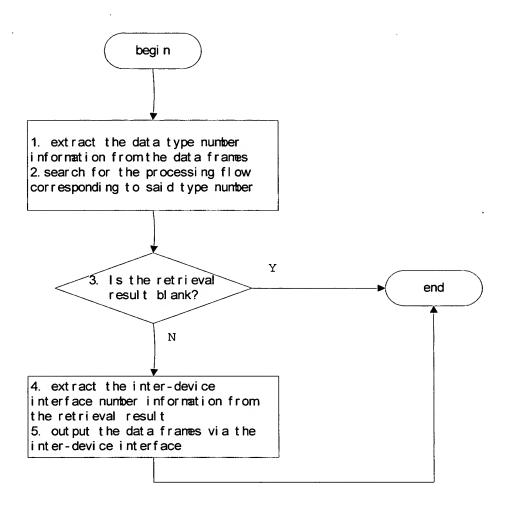


Fig. 7B